OPERATORS MANUAL

Castle®

7935, 7936 & 7937

Sonic Cleaners

MDT Biologic Company
1777 East Henrietta Road
P.O. Box 23077
Rochester, New York 14692

Technology for Life

30436 Rev. D

DESCRIPTION OF SYMBOLS & NOTES IN MANUAL

The following symbols with related notes appear in this manual.

"Warning" notes alert the user of the manual when there is a possibility of personal injury.

"Caution" notes alert the user of the manual when there is a possibility of damage to the equipment.

"Notes" alert the user of the manual to pertinent facts and conditions.

*MDT and Castle are registered trademarks.

GENERAL

The following instructions apply to portable Model 7935 and stationary Models 7936 and 7937 Sonic Cleaners.

DESCRIPTION

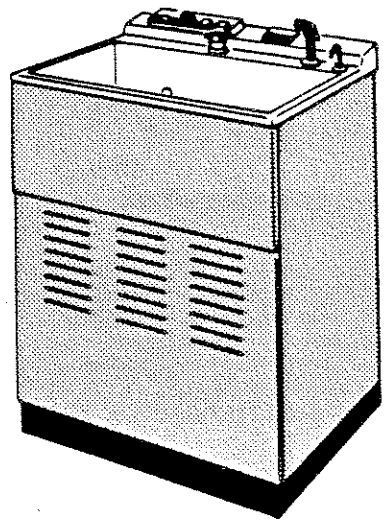
All three models clean surgical instruments and sim-ilar type hospital hardware, with sonic energy, in a water/detergent solution. A heater maintains the cleaning solution at operating temperature for continuous processing of instruments or similar hardware.

The cleaning chamber is designed to accept a Castle basket and/or instrument tray containing 20 pounds (9 Kgs.) maximum load.

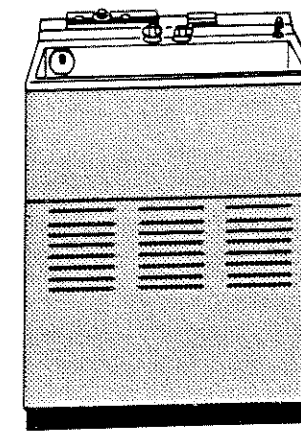
Effective cleaning is attained best on hard instruments. Soft items such as plastics and rubber are difficult to clean.

Optional Hood

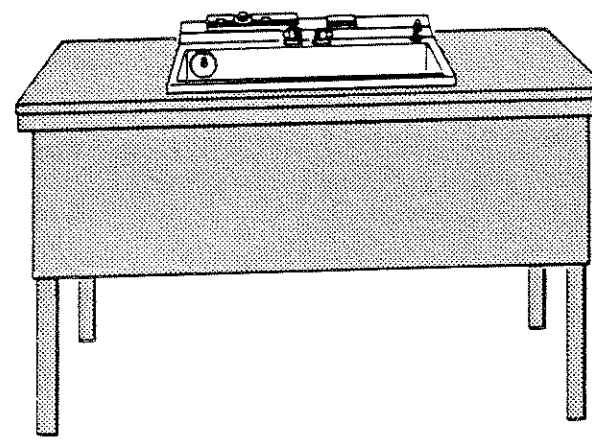
An optional hood is available to cover the chamber to prevent unnecessary contaminants from entering the solution. The hood may be left in place on the chamber during processing as well as when sonic cleaner is not in use.



PORTABLE MODEL 7935



CABINET MODEL 7936



COUNTER TOP MODEL 7936

PREPARATION BEFORE OPERATION

1. If the Cleaner is a Portable Model 7935, connect the 3-prong electrical supply cord to a mating 20A receptacle and the fill/drain hose to the sink faucet. A faucet adapter is supplied for making the connection.
2. Fill the tank with lukewarm water (80° to 100°F, 27° to 38°C) to the level marked on the rear wall of the tank.
3. Add 1 to 2 quarts (1 to 2 liters) of CASTLE 7900 Sonic Detergent to the water in the tank. The variable amount is dependent on the type of soil and its adherence to the loads being processed. Periodic addition of detergent is recommended when Cleaner is used for constant daily processing. The strength of the cleaning solution will diminish during usage. Replace the solution when excessively soiled.
4. Depress the ON/OFF rocker switch to ON. The POWER ON light will be ON and the heater will maintain the cleaning solution at operating temperature.
5. Allow the unit to operate until activity is observed on the surface of the solution. This will condition (de-gas) the solution.

Do not touch the rear wall of the tank which may be hot and could cause burns. The rear tank wall may be hot when solution level is below the liquid level mark on the rear wall (residual effect).

OPERATING INSTRUCTIONS

Be careful not to scratch inside surface of tank with jewelry (rings, bracelets, etc., worn by the operator). Scratches reduce tank life and performance during sonic application.

1. Place the load to be processed in an instrument tray. Suspend the tray in a CASTLE stainless steel MPS basket or attach extension handles to the tray and immerse the load in the cleaning solution.
2. Set the timer for the desired cleaning time (average time for most instrument loads will be 5 minutes). The IN-PROCESS light will be ON and the heater will be OFF during the cleaning phase.
3. When the IN PROCESS light goes out, the cleaning phase is complete. Remove the load from the tank and rinse the load in a separate sink. The heater will maintain the solution at the correct temperature for the next load.
4. To remove the cleaning solution from the tank of a portable Model 7935, press the PUMP ON pushbutton. The pushbutton lights when the drain pump is operating. The drain pump shuts off automatically. On stationary Models 7936 and 7937, open the drain valve by manually lifting the lever located on the rear wall inside the tank.
5. When all loads are processed, depress the ON/OFF rocker switch to OFF.

TRAY LOADING INFORMATION

1. Open all jointed articles for maximum exposure of joint, jaw, blade, and lock surfaces.
2. Place items in trays one at a time, positioned and stacked for maximum surface exposure. Use a criss-crossed layer pattern with each layer in the opposite direction to avoid closely packed or dense areas. Place the longer and heavier items in the bottom of the tray. For maximum cleaning performance, use additional trays rather than overloading the trays.

GENERAL

Preventive Maintenance performed at periodic scheduled intervals insures that equipment operates at maximum efficiency, operates safely, and reduces time lost when equipment is not functional, waiting for service or repairs.

DAILY

Clean Sonic Tank

Be careful not to scratch inside surface of tank with jewelry (rings, bracelets, etc., worn by the operator) when cleaning. Do not use paper or plastic cloths for cleaning due to abrasive contents. Scratches reduce tank life, and performance during sonic application.

Clean the inside of the sonic tank daily with a soft damp cloth and a mild detergent.

Cavitation erosion of tank bottom is common.

WEEKLY

Clean Control Panel

Clean the control panel weekly with a dry soft cloth. The panel is splash-proof but due to the electrical components, it will not withstand the application of excessive moisture.

EVERY THREE MONTHS

Inspect Security & Continuity of Green Ground Wire (Portable Model 7935)

Every three months check that the green ground wire in the 3-prong plug is securely fastened to the ground prong and that the opposite end is firmly secured to the chassis. Make a continuity check of the green ground wire in the supply cord, from the ground prong to the opposite end of the wire to insure there is no break in the wire.

Clean Liquid Level Probe Electrode

Every three months remove the liquid level probe electrode and clean it and its housing to insure proper liquid grounding.

ORDERING INFORMATION

The items listed below may be ordered from your MDT Service Representative or your nearest MDT Regional Office. Or, you may contact:

MDT Corporation
P.O. Box 23077
Rochester, New York 14692
(716) 475-1400

RECOMMENDED SPARE PARTS

QUANTITY	PART NO.	PART NAME
1	36570	Light, Indicator "Power ON"
3	51977	Tubing, Shrinkable, 2 inches
3	51978	Tubing, Shrinkable, 3/8 inches
3	54013	Fuse, 12A
1	49833	Electrode
6	54003	Fuse, 8 AMP, 250V, 3AG Type, UL Listed
6	36569	Lamp, Miniature, Flange Base, 28V
1	39708	Light, Pilot, Type NE-2H, 115V
1	*44661	Detergent, 7900 Sonic (1 gallon)
1	69897	O-Ring, Waste Pop-Up

*Also available in 4 gallon carton, Part No. 44663

QUALITY SERVICE — RELIABLE PERFORMANCE

Preventive maintenance performed by factory trained service representatives, using authorized parts and service techniques is recommended. Recognizing symptoms of potential trouble and making corrections immediately is less costly and time consuming than repairing damaged equipment. Our Performance Assurance Plan offers scientific maintenance, not merely repair service.

For quality service on this equipment and information on our Performance Assurance Plan, contact your nearest MDT/Regional Service office; write to MDT Corporation, P.O. Box 23077, Rochester, N.Y. 14692; or telephone Area Code 716/475-1400. Enclosed Form 30624 identifies the location and address of the Regional Service Offices.

It is advised that a stock of the Recommended Spare Parts be maintained to insure parts are immediately available when needed.

NOTE ▶ *A Service Manual consisting of operational information, service information, and a complete Parts List, can be purchased from MDT Corporation.*

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